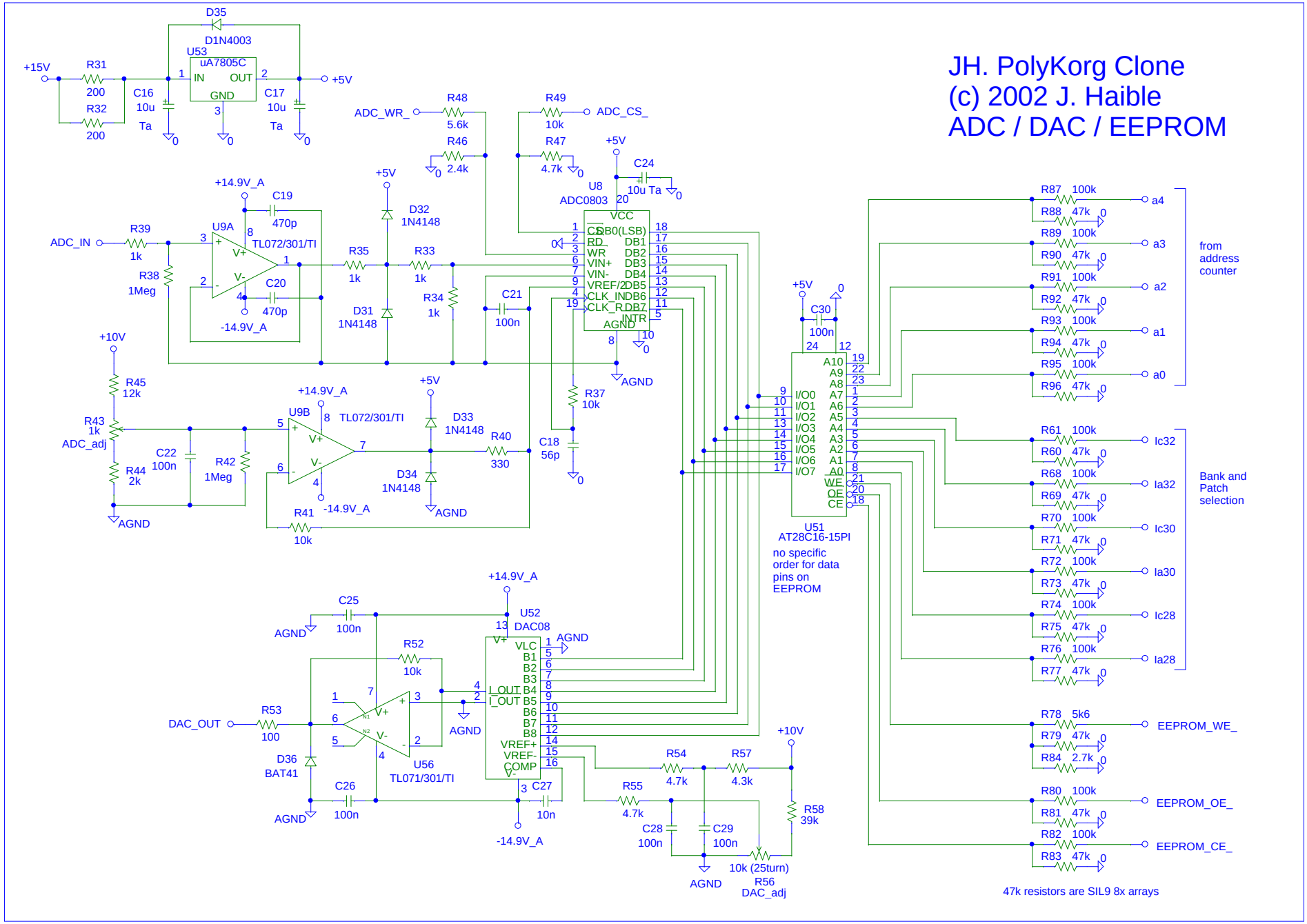
JH. PolyKorg Clone
(c) 2002 J. Haible
ADC / DAC / EEPROM
D35
D1N4003
U53
uA7805C
IN
OUT
GND
+15V
R31
200
R32
200
C16
10u
Ta
C17
10u
Ta
+5V
ADC_WR_
R48
5.6k
R46
2.4k
R49
10k
ADC_CS_
R47
4.7k
C24
10u Ta
U8
ADC0803
VCC
CS
RD_
WR
VIN+
VIN-
VREF/2
CLK_IN
CLK_R
AGND
DB0(LSB)
DB1
DB2
DB3
DB4
DB5
DB6
DB7
INTR
+14.9V_A
C19
470p
U9A
TL072/301/TI
ADC_IN
R39
1k
R38
1Meg
C20
470p
-14.9V_A
R35
1k
R33
1k
D32
1N4148
D31
1N4148
R34
1k
C21
100n
R37
10k
C18
56p
+10V
R45
12k
R43
1k
ADC_adj
R44
2k
C22
100n
R42
1Meg
U9B
TL072/301/TI
R41
10k
D33
1N4148
D34
1N4148
R40
330
C30
100n
U51
AT28C16-15PI
I/O0
I/O1
I/O2
I/O3
I/O4
I/O5
I/O6
I/O7
A10
A9
A8
A7
A6
A5
A4
A3
A2
A1
A0
WE
OE
CE
no specific order for data pins on EEPROM
R87 100k
R88 47k
R89 100k
R90 47k
R91 100k
R92 47k
R93 100k
R94 47k
R95 100k
R96 47k
a4
a3
a2
a1
a0
from address counter
R61 100k
R60 47k
R68 100k
R69 47k
R70 100k
R71 47k
R72 100k
R73 47k
R74 100k
R75 47k
R76 100k
R77 47k
Ic32
Ia32
Ic30
Ia30
Ic28
Ia28
Bank and Patch selection
R78 5k6
R79 47k
R84 2.7k
EEPROM_WE_
R80 100k
R81 47k
EEPROM_OE_
R82 100k
R83 47k
EEPROM_CE_
47k resistors are SIL9 8x arrays
C25
100n
U52
DAC08
VLC
B1
B2
B3
B4
B5
B6
B7
B8
I_OUT
I_OUT
VREF+
VREF-
COMP
V-
R52
10k
DAC_OUT
R53
100
D36
BAT41
U56
TL071/301/TI
C26
100n
C27
10n
R54
4.7k
R57
4.3k
R55
4.7k
C28
100n
C29
100n
R58
39k
10k (25turn)
R56
DAC_adj